Dr. Esther TAN

Chief, GDip Systems Analysis Programme

✉ isstane@nus.edu.sg

Profile

Esther specialises in designing and developing internet / mobile solutions to support organisations' needs and business activities. Her current research areas include context aware, organizing and chunking information for mobile platform, mobile user interface design which includes visualization and presenting of information on small screen display. She also supervises mobile application projects with the latest wireless technology such as MMS, GPS and LBS. Her interests include tracking the internet and wireless technology trends and studying how these technologies can improve business processes. Prior to joining NUS-ISS, she was with the multimedia application centre at Singapore Polytechnic. Her experience included designing and developing multimedia applications and online learning packages. She was previously with Wearnes R&D centre as a firmware engineer, designing and developing BIOS for in-house designed computers.

Educational Qualifications/Professional Certifications

- PhD Information Studies (Nanyang Technological University), 2011.
- MSc in Information Studies (Nanyang Technological University), 2002
- BSc in Information Systems (University of London), 1992

Academic and Professional Experience

- Managed the operation of Graduate Diploma in Systems Analysis including financial planning, recruitment, internship and graduation
- Oversee the design of the Graduate Diploma in Systems Analysis curriculum

- Taught object oriented analysis and design, mobile application design, web and mobile user interface design and development related topics
- Conducted research and published papers on mobile information presentation and mobile application design subject
- Supervised internship projects with start-up and MNC organisations

Research Interests

- Context awareness
- Information organising and chunking for mobile platform
- Mobile user interface design
- Visualisation and presentation of information on small screen display

Selected Publications

- Tan, E. M. & Goh, D. H.(2015). Presenting social media information on mobile devices using multiple contexts. Aslib Journal of Information Management, 67(2), DOI: 10.1108/AJIM-09-2014-0124
- Tan, E. M. & Goh. D. H. (2014). A study of social interaction during mobile information seeking. Journal of the Association for Information Science and Technology, DOI: 10.1002/asi.23310
- Tan, E. M., Goh, D. H., Theng, Y. L. and Foo, S. (2012). Social Interaction Patterns during Mobile Information Seeking. The Outreach of Digital Libraries: A Globalized Resource Network Lecture Notes in Computer Science, Volume 7634, 2012, 106-115.
- Tan, E. M., Foo, S., Goh, D. H., Theng, Y. (2009). TILES: classifying contextual information for mobile tourism applications. Aslib Proceedings, 61(6), 565 - 586. DOI: 10.1108/00012530911005526.
- Tan, E.M.Y., Foo, s., Goh, D.H.,Theng, Y.L.(2009). TILES-A model for classifying and using contextual information for context-aware applications. In the proceedings of 4th International Digital Information Management, ICDIM, DOI:10.1109/ICDIM.2009.5356787.
- Tan, E. M., Goh, D. H., Theng, Y. and Foo, S (2007). An analysis of services for the mobile tourist. Proceedings of the 4th international conference on mobile technology, applications, and systems, Singapore, 490-494. DOI: 10.1145/1378063.1378142

Courses

- Object oriented analysis and design
- Web and Mobile user interface design
- Designing and developing web applications

What I Teach

SOFTWARE SYSTEMS

NUS Graduate Diploma in Systems Analysis - Capstone & Internship

SOFTWARE SYSTEMS

Stackable Graduate Certificate Programme in Digital Solutions Development

SOFTWARE SYSTEMS

Platform Engineering

SOFTWARE SYSTEMS

NUS Certificate in Digital Solutions Development – Design

SOFTWARE SYSTEMS

NUS Graduate Diploma in Systems Analysis

Graduate Diploma in Systems Analysis

◀ Go Back to Our Team

NUS-ISS / About Us / Staff

Legal   •   Branding Guidelines   •   Contact Us   •   Getting to ISS